SERGEYCHEV, Ivan Mikhaylovich; PECHKOVSKIY, Aleksey Mikhaylovich; KOSTENKO, D.M., retsenzent; IZAKOV, N.R., kand.tekhn.nauk, red.; RZHAVINSKIY, V.V., inzh., red.izd-va; KL'KIND, V.D., tekhn.red.

[Heat treatment of cutting and measuring tools] Termicheskaia obrabotka rezhushchego i izmeritel'nogo instrumenta. Moskva, Gos. nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1960. 305 p. (MIRA 13:12)

(Tool steel—Heat treatment)

TSIKURIN, N.V., kand. tekhn. nauk; DENISOV, N.V., inzh., retsenzent; IZAKOV, N.R., kand. tekhn. nauk, dots., red.; BARYKOVA, G.I., red.izd-va; SMIRNOVA, G.V., tekhn. red.

[Standardization in the machinery industry] Normalizatsiia v mashinostroenii. Moskva, Mashgiz, 1963. 186 p. (MIRA 16:4)

(Machinery industry--Standards)

Izakov, N.R., kand.tekhn.nauk

Determining the durability of a tool set under automation conditions. Mekh. i avtom. proizv. 17 no. 3:37-41 Mr '63. (MIRA 17:9)

MASHEVICH, Z.A.; LEVANT, G.V., kand. tekhn. nauk, retsenzent; KHOLIN, V.A., inzh., retsenzent; IZAKOV, N.A., kand. tekhn. nauk, red.

[Methodology for teaching the course "Metal cutting" in mechanical engineering schools] Metodika prepodavaniia kursa "Rezanie metallov" v mashinostroitel'nykh tekhnikumakh. Moskva, Mashinostroenie, 1964. 107 p. (MIRA 17:8)

KHODAKOVSKIY, N.S., YEVKHO, Ye.A., inzh., retsenzent, TYAKOV, N.R., kand. tekhn. nauk, dots., red.

[Reduction of auxiliary time in the heavy machinery industry] Sokrashchenie vspomogatel'nogo vremeni v tiazhelom mashinostroenii. Moskva, Mashinostroenie, 1964. 95 p. (MIR: 18:1)

RAYTSES, V.B.; LAKHTIN, Yu.M., doktor tekhn. nauk, prof., retsenzent; IZAKOV, N.R., kand. tekhn. nauk, dots., red.

[Technology of chemical and thermal treatment at machinery plants] Tekhnologiia khimiko-termicheskoi obrabotki na mashinostroitel'nykh zavodakh. Moskva, Mashinostroenie, 1965. 294 p. (MIRA 18:7)

KABANOVSKIY, L.N., inzh.; CHAYKA, G.V., inzh.; IZAKOV, R.P., inzh.

Diamond machining of hard-alloy drawing tools. Mashinostroenie no.5:21-23 S-O '65. (MIRA 18:9)

IZAKOVA, K.

CZECHOSLOVAKIA/Analytical Chemistry - Analysis of Inorganic Substances E-2

Abs Jour : Ref Zhur - Khimiya, No 4, 1958, No 10978

Author : Kristina Izakova
Inst : Not Given
Title : Complexonometrical Determination of Calcium and Magnesium at High Magnesium Content

Orig Pub : Chem. zvesti, 1957, 11, No 4, 205-211

Abstract : Exaggerated results of the complexonometrical determination of Ca^{2+} are received in presence of large amounts of Mg^{2+}, because Ca^{2+} is adsorbed on $Mg(OH)_2$, which separates at pH = 10.5 to 11. It is recommended to carry out the titration at pH = 12.0 to 12.5 in order to eliminate this error. First a preliminary titration is carried out, for which purpose NaOH solution (a ml) is added to 50 ml of the analysed sample ($\leq$ 35 mg of CaO) to pH $\geq$12 and it is titrated with 0.05 M complexone III (I) solution (b ml) in presence of murexide (II) (mixture with NaCl, 1 : 100). At the direct Ca^{2+} determination, b ml of I is added to another

Card : 1/3

of HCl, 1 : 1), 2b ml of I and an excess (2 to 3 ml) of I are mixed, diluted with water, alkalized with 20%-ual NaOH

CZECHOSLOVAKIA/Analytical Chemistry - Analysis of Inorganic Substances E-2

Abs Jour : Ref Zhur - Khimiya, No 4, 1958, No 10978

150 mlit (<40 - 48 mg of MgO in 100 mlit), neutralized with NaOH solution, 10 to 15 mlit of a buffer solution of pH about 10 (54 g of NH_4Cl and 350 mlit of 25%-nal NH_4OH solution in 1000 mlit) and the I solution in the amount necessary for the titration with II are added, and all is titrated with I solution in presence of Erio Chrome black T (mixture with NaCl, 1 : 100) until a blue coloration (without any violet tinge) appears. At the analysis of dolomites and magnesities, 1 g of the sample is dissolved, SiO_2 and R_2O_3 are precipitated, and filtrate is diluted with water to 500 mlit and further one proceeds same as above. Mn^{2+} is eliminated by precipitation with ammonia in presence of Br_2 or H_2O_2.

Sc: Monthly Index of East European Accessions (EEAL) L.C. - Vol. 7, No. 1, Jan. 1958

Card : 3/3

IZAKOVA, K., GREGOR, M.

Slovak active earths. IV. p. 326.

CHEMICKE ZVESTI. Bratislava, Czechoslovakia, Vol. 13, No. 6, Apr. 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 10, Oct. 1959.
Uncl.

GREGOR, Mikulas, prof., dr., inz.; IZAKOVA, Kristina, inz.

Slovak active earths (6). Chem zvesti 16 no.6:463-473 Je '62.

1. Ceskoslovenska akademie ved, Ustav anorganickej chemie Slovenskej akademie vied, Bratislava. 2. Clen korespondent Slovenskej akademie vied (for Gregor), Adresa autorov: Bratislava, Kollorovo namesti 2, Chemicky pavilon, Slovenska vysoka skola technicka

IZAKOVA, Kristina, inz.; NOVAK, Ivan, inz.

Determination of the specific surface of bentonites. Chem zvesti 17 no.12:905-911 '63.

1. Ceskoslovenska akademie ved, Ustav anorganickej chemie Slovenskej akademie vied, Bratislava, Dubravska cesta.

IZAKOVA, Kristina

Data on complexometric titration using Eriochrome Black T indicator. Magy kem lap 18 no.9:459-460 S '63.

1. Szlovak Tudomanyos Akademia Szervetlen Kemiai Intezete.

GAKOV, . . .

. . . chemical study of proteins in tissue cultures under normal conditions and under the influence of influenza and poliomyelitis viruses. Tsitologiia, 6 no.3:337-342 My-Je '64. (MIRA 18:9)

1. Laboratoriya virusnoy tsitopatologii Nauchno-issledovatel'skogo instituta virusnykh preparatov, Moskva.

LEVINSON, L.B.; IZAKOVA, L.P.

Variations in the ribonucleic acid content of motor nerve cells in Callyphora erytrocephala as related to their functional state. Dokl. AN SSSR 137 no.6:1448-1451 Ap '61. (MIRA 14:4)

1. Moskovskiy gosudarstvennyy universitet imeni M.V.Lomonosova. Predstavleno akademikom Ye.N.Pavlovskim.
(Nucleic acids) (Nervous system--Insects)

IZAKOVA, L.P.

Dynamics of glycogen in cells cultivated outside the organism.
TSitologiia 4 no.4:427-433 Jl-Ag '62. (MIRA 15:9)

1. Laboratoriya virusnoy tsitopatologii Nauchno-issledovatel'skogo instituta virusnykh preparatov, Moskva.
(GLYCOGEN) (TISSUE CULTURE)

IZAKOVA, L.P.; ALEKSEYEVA, A.K.

Effect of the influenza virus A-2 on the morphology of cell cultures of different origin. Trudy Mosk. nauch.-issl. inst. virus. prep. 2:348-355 '61. (MIRA 17:1)

ZALKIND, S. Ya.; POBEREI, I. A.; BORISOGLEBSKAYA, N. V.; [illegible]; [illegible]
BOGOMOLOVA, N. N.

"Tsitokhimicheskoye i avtoradiograficheskoye izucheniye infitsirovannoy virusami kletki."

report presented at Symp on Virus Diseases, Moscow, 6-9 Oct 64.

Moskovskiy nauchno-issledovatel'skiy institut virusnykh preparatov.

POLCIN, J.; UTAKOVÁ, O.

Diffusion in both plane and cylindrical bodies from the viewpoint of evaluating the absorption process in tower absorbers. Sbor vys pap 9:53-72 '64.

IZAKOVIC, V.

Bilateral calculosis of the kidneys following dihydrotachysterol and intravenous administration of calcium. Bratisl. lek. listy 44 no.5:301-305 '64

1. Katedra vnutorneho lekarstva Slovenskeho ustavu pre doskolovanie lekarov v Trencine; vedouci: doc.dr. D.Dieska.

CICVAREK,Z.; DIESKA,D.; IZAKOVIC,V.

Waldenstrom's Macroglobulinaemia. II. Some properties of blood serum proteins. Neoplasma,Bratisl. 7 no.1:48-60 '60.

1. Chair of Internal Medicine,Slovak Postgraduate Medical Institute, Trencin; Central Laboratory of Biochemistry,Territorial Institute of Public Health,Trencin,CSR.
(SERUM GLOBULIN)
(BLOOD PROTEINS)

IZAKOVIC, V

(3)

SURNAME (in caps); Given Names

Country: Czechoslovakia

Academic Degrees: /not given/

Affiliation: Department of Internal Medicine of the Slovak Institute for Post-Graduate Medical Training (Katedra vnutorneho lekarstva Slovenskeho ustavu pre doskolovanie lekarov), Trencin; Chief (Veduci): Doc MUDr D Dieska

Source: Bratislava, Lekarsky Obzor, Vol X, No 7, 1961, pp 393-402

Data: "Fenmetrazin as a Supporting Adjunct of the Reducing Regime in the Obese."

Authors:

IZAKOVIC, V
PAVLOVIC, M

IZAKOVIC, V.

SURNAME (in caps); Given Names

Country: Czechoslovakia

(6)

Academic Degrees:

Affiliation:

Source: Brno, Vnitrni Lekarstvi, Vol VII, No 8, August 1961, pp 863-867

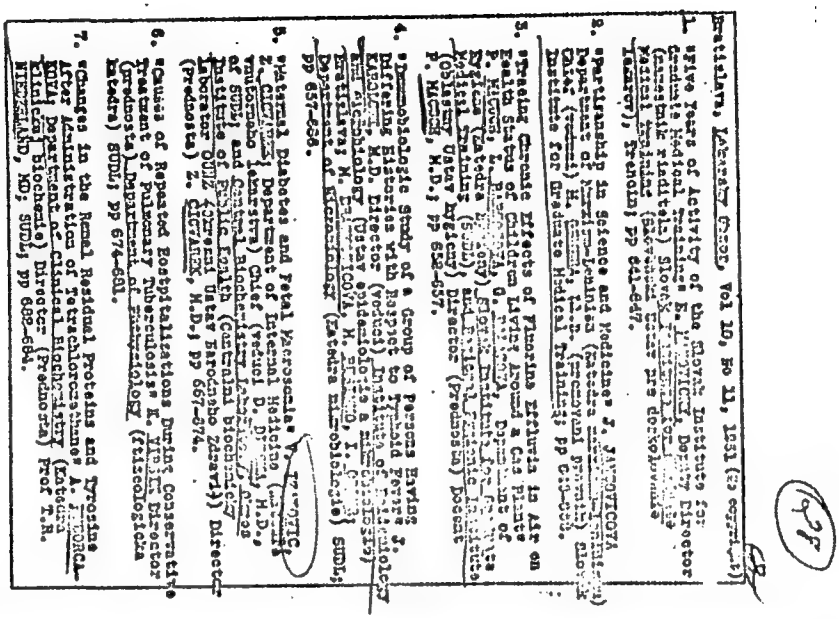
Data: "Obesity and Rheumatic Diseases"

SITAJ, S, Doc MUDr, Chief (Veduci) Research Institute of Rheumatic Diseases (Vyskumny ustav reumatickych chorob), Piestany

IZAKOVIC, V, Degree not given, Slovak Institute for Postgraduate Medical Training (Slovensky ustav pro doskolovanie lekarov), Trencin; Chief (veduci) Doc MUDr D Dieska

120

IZAKOVIC, V.



Pediatrii, Kharkov Obsch. Vol 10, No 11, 1931 (s obsch.pr.)

1. "Five Years of Activity of the Sharok Institute for Combined Medical Training" E. [illegible] Director (Sharok Medical Training Institute) Sharok, [illegible] Medical Training (Rektor), Prof [illegible] Director Pro Doktorwurde (Rektor), Prof [illegible] pp 641-647.

2. "Participation in Science and Medicine" P. [illegible] Department of Normal-Pathology (Head [illegible]) Prof [illegible] Clinic (Prof [illegible]) Director (Prof [illegible]) Director for Graduate Medical Training; pp 643-650.

3. "Twenty Cases of Fluorine Effects in Air on Health Status of Children Living Around a Gas Plant" P. [illegible] Department of Hygiene of Kharkov Veterans (Head [illegible]) Medical Training (Rektor), Prof [illegible] Director (Problem) Docent (Colleg) Oster Mykola, M.D.; pp 652-657.

4. "Immunobiologic Study of a Group of Persons Having Different Histories with Respect to Typhoid Fever" P. [illegible] Kharkov, M.D. Director (Prof [illegible]) Institute of Microbiology and Epidemiology (Head [illegible]) Professor [illegible] Oster Mykola, M. [illegible], M.D., Professor; M. [illegible], M.D., Docent (Docent) Department of Microbiology (Docent [illegible]) SUM; pp 657-666.

5. "Maternal Diabetes and Fetal Macrosomia" V. [illegible] Z. [illegible] Department of Internal Medicine (Head [illegible], M.D., Professor) Chief (Prof [illegible], M.D., Professor) and Central Bloodchemistry Laboratory (Chief [illegible]) of SUM; and Central Bloodchemistry Laboratory (Chief [illegible]) Institute of Public Health (Central Bloodchemistry Laboratory OUMZ [illegible] Oster Narodnoho Zdravyi) Director (Professor) Z. [illegible], M.D.; pp 667-674.

6. "Causes of Repeated Hospitalizations During Conservative Treatment of Pulmonary Tuberculosis" K. [illegible] Director (Tuberculosis Department of Phthisiology (Phthisiologica Kharkov) SUM; pp 674-681.

7. "Changes in the Renal Residual Proteins and Tyrosine After Administration of Tetrachlorocarbons" A. [illegible] SUM; Department of Clinical Biochemistry (Kafedra Klinichnoi Biokhimii) Director (Professor) Prof N.N. [illegible], MD; SUM; pp 682-684.

— 1/3 —

IZAKOVIC, V.

(2)

CZECHOSLOVAKIA

PAVLOVIC, M; IZAKOVIC, V; GAJDOS, M.

Chair of Internal Medicine of the Slovak Institute of Pre-Medicine (Katedra vnutorneho lekarstva Slovenskeho ustavu pre doskolovanie lekarov), Trecin

Bratislava, Lekarsky obzor, No 4, 1963, pp 229-232

"The Use of Pituitrine Spofa for the Investigation of the Concentration Capacity of the Kidney."

IZAKOVIC, V.; DANISKA, J.; PASTEKOVA, K.

Apropos of the use of corticoids in the differential diagnosis of cholestatic jaundice. Bratisl. lek. listy 2 no.1:42-46 '64

1. Katedra vnutorneho lekarstva Slovenskeho ustavu pre doskolovanie lekarov v Trencine (veduci: doc. MUDr. D.Dieska); Infekcne oddelenie OUNZ v Trencine (veduca :MUDr. K.Gotlikova) a Pediatricka katedra Slovenskeho ustavu pre doskolovanie lekarov (veduci: MUDr. A.Getlik).

IZAKOVIC,V.; IZAKOVICOVA, A.; HNILICA, P.; CICVAREK. Z. Technicka spoluprace: STURDIKOVA. M.

Determination of the corticotropin activity of the hypophysis with metopyrapone (metopironetest). Bratisl. lek. listy 2 no.1:34-41 '64

1. Katedra vnutorneho lekarstva Slovenskeho ustavu pre doskolovanie lekarov v Trencine (veduci: doc. MUDr. D.Dieska) a Centralne biochemicke laboratorium OUNZ v Trencine (veduci: MUDr. Z.Cicvarek).

IZAKOVIC, V.; HACIK, T.

Congenital adrenogenital syndrome in 2 sisters born form consanguinous parents. Bratisl. lek. listy 44 no.2:113-115 31 Jl '64.

1. Katedra vnutorneho lekarstva Slovenskeho ustavu pre doskolovanie lekarov v Trencine (veduci doc. MUDr. D. Dieska) a Endokrinologicky ustav Slovenskej akademie vied v Bratislave (riaditel MUDr. J. Podoba, C. Sc.).

[illegible]

[illegible] Incidence of patho[illegible] [illegible] and border-line, glycaemic [illegible] in mothers of infants with excessive birth weight. Vnitrni [illegible]. [illegible] no.11:1082-1089 [illegible].

[illegible] Katedra vnutorneho [illegible] Slovenskeho ustavu pre doskolovanie lekarov v Trencine (veduci doc. MUDr. D. Dieska) a Centralne biochemicke laboratorium Obvodniho ustavu narodniho zdravi v Trencine (veduci MUDr. Z. [illegible]).

IZAKOVIC, V.; SVEC, M.; MURANSKY, J.; TIBENSKY, T.

Giant fetus as an early ("prediabetic") indication of maternal diabetes in the mother. Bratisl. lek. listy 45 no.9:555-560 15 N '65.

1. Katedra vnutorneho lekarstva Ustavu pre dalsie vzdelavanie lekarov a farmaceutov v Trancine (veduci doc. MUDr. D. Dieska), interne oddelenie Obvodniho ustavu narodniho zdravi v Topolcanoch (viduci primar MUDr. E. Gressner), interne oddelenie Obvodniho ustavu narodniho zdravi v Novych Zamkoch (veduci primar MUDr. R. Suchanek) a interne oddelenie Obvodniho ustavu narodniho zdravi v Trnave (veduci primar MUDr. K. Pronay).

IZAKOVIC,V.; IZAKOVICOVA, A.; HNILICA, P.; CICVAREK. Z. Technicka spolupraca: STURDIKOVA. M.

Determination of the corticotropin activity of the hypophysis with metopyrapone (metopironetest). Bratisl. lek. listy 2 no.1:34-41 '64

1. Katedra vnutorneho lekarstva Slovenskeho ustavu pre doskolovanie lekarov v Trencine (veduci: doc. MUDr. D.Dieska) a Centralne biochemicke laboratorium OUNZ v Trencine (veduci: MUDr. Z.Cicvarek).

IZAKOWSKI, Andrzej

Technical progress in geophysical activities. Przegl geol 9 no.10: 507-509 '61.

1. Przedsiebiorstwo Poszukiwan Geofizycznych.

(Geophysics)

L 8347-66 EPF(n)-2/EWT(1)/EWT(m)/ETC(m)/T WW/DJ

ACC NR: AP5025759 SOURCE CODE: UR/0286/65/000/018/0125/0125

AUTHORS: Izakson, A. A.; Tserlyuk, M. D.

ORG: none

TITLE: Pneumatically driven pump. Class 59, No. 174946

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 18, 1965, 125

TOPIC TAGS: pneumatic drive, lubricant pump, PUMP, PNEUMATIC DEVICE

ABSTRACT: This Author Certificate presents a pneumatically driven pump (see Fig. 1), e.g., for lubricants, containing a pumping section, a pneumatic drive, and a distribution valve system which controls the pneumatic drive piston. To increase operating life and reliability, it is constructed as a single unit with a plunger dividing the pumping and pneumatic chambers. This plunger is spring-loaded from the pumping side and has a coaxial auxiliary piston and a valving system with connected axial and diametral passages. The body also has air distribution channels which connect the valve chamber with the atmosphere and with the pressurized air source, which connect the chamber under the auxiliary piston with the atmo-

Card 1/2 UDC: 621.522.1-722

L 8347-66

ACC NR: AP5025759

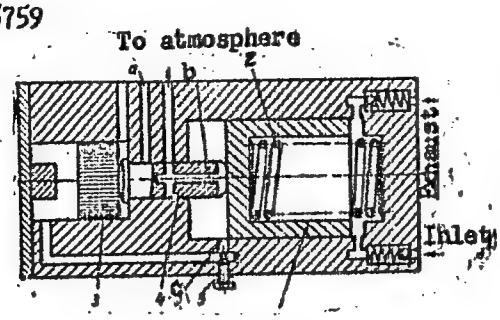


Fig. 1. 1 - Plunger; 2 - spring; 3 - auxiliary piston; 4 - air distribution valve; a,b,c, - passages; 5 - throttle.

sphere, and which connect the chamber above the auxiliary piston with the pneumatic drive chamber at the end of the plunger stroke. One of these passages has a throttle to regulate pumping capacity. Orig. art. has: 1 figure.

SUB CODE: 13/ SUBM DATE: 18Mar63

jw

Card 2/2

IZAKSON, A.M.

Rabota vozdushnogo vinta na rezhime avtorotatsii. Moskva, 1930. 67 p., illus., tables, diagrs. (TSAGI. no. 47)

Title tr.: Performance of a propeller in the process of autorotation.

QA911.M65 no.47

SO: Aeronautical Sciences and Aviation in the Soviet Union, Library of Congress 1955

IZAKSON, A.M., and D.I. Antonov.

Rabota vozdushnykh vintov s eleronami na rezhime avtorotatsii. Moskva, 1932. 23 p., tables, diagrs, (TSAGI. Trudy, no. 127)

Summary in German.

Title tr.: Performance of propellers with ailerons working at negative torque.

QA911.M65 no 127

SO: Aeronautical Sciences and Aviation in the Soviet Union, Library of Congress 1955

IZAKSON, A. M.

Gelikoptery. Moskva, Oborongiz, 1947. 226 p., illus.
Title tr.: Helicopters.
Reviewed by B. N. Iur'ev in Sovetskaia kniga, 1947, no. 8, p. 31.

NCF

SO: Aeronautical Sciences and Aviation in the Soviet Union, Library of Congress, 1955.

Izak sea, A.M.

86-58-3-27/37

AUTHOR: Izakson, A.M., Candidate of Technical Sciences

TITLE: Soviet Helicopters (Sovetskiye vertolety)

PERIODICAL: Vestnik vozdushnogo flota, 1958, Nr 3 pp 68-69 (USSR)

ABSTRACT: This article describes briefly the development of Soviet helicopters. As early as 1932 the first Soviet helicopter 1-EA had undergone test flights. It was designed by prof. A.M. Cheremukhin, Engineer K.A. Bunkin and by the author of this article. Ten years ago Soviet helicopters, designed by a collective of designers under the direction of I.P. Bratukhin, participated in an air parade held at Moscow. In 1955, a two-rotor helicopter was displayed at the parade. The Soviet Union has also small coaxial helicopters designed by N.I. Kamov's collective of designers. Most widely used in the Soviet Union are the Mi-1 and Mi-4 helicopters, designed by the collective of designers under M.L. Mil'. A remarkable record was set by the new Mi-6 in 1957. A load of 12,004 kg was carried to the altitude of 2,432 m. Two photos.

AVAILABLE: Library of Congress

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KONDRAT'YEV, P.V.; VASIL'YEV, A.A., red.; IZAKSON, A.M., red.;
MUKHINA, Ye.S., tekhn. red.

[Manual for training helicopter pilots; sporting aviation]Posobie po podgotovke letchika vertoleta; sportivnoi aviatsii. Moskva, Izd-vo DOSAAF, 1962. 174 p. (MIRA 15:12)
(Helicopters—Piloting)

IZAKSON, Aleksandr Mikhaylovich; MIL', M.L., doktor tekhn. nauk, retsenzent; STRIZHEVSKIY, S.Ya., kand. tekhn. nauk, dots., retsenzent; SHAVROV, V.B., kand. tekhn. nauk, retsenzent; GIL'BERG, L.A., red.

[Soviet helicopter industry] Sovetskoe vertoletostroenie. Moskva, Mashinostroenie, 1964. 310 p. (MIRA 17:6)

AUTHOR: Izakson, B.K. SOV/106-58-4-10/16

TITLE: Equalisation of the Frequency Characteristic of Band Filters in the Pass Band (Vyravnivaniye chastotnoy kharakteristiki polosovykh fil'trov v polose propuskaniya)

PERIODICAL: Elektrosvyaz', 1958, Nr 4, pp 63 - 70 (USSR)

ABSTRACT: A method is proposed for the design of filters in which the frequency characteristic in the pass-band is equalised, not by special filter equalisers but by mismatch between the sections. The effective attenuation of a filter in the pass-band is determined by the effect of the losses in the elements and by mismatch of the load connection, i.e:

$$b_p = b + b_{omp} \qquad (1)$$

where b_p is the effective attenuation of the filter in the pass-band, b is the attenuation due to the effect of the losses in the elements, b_{omp} is the part of the effective attenuation due to reflection.
The attenuation characteristic b is shown in Figure 1. The filter attenuation due to reflection b_{omp} changes with

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frequency in a wave-fashion, as shown in Figures 2 and 3. Figure 2 applies to a three-section band filter and Figure 3 to a 2.5 section filter.
To compensate for the unevenness of the curve b, it is desirable to make the curve of b_{omp} the inverse shape of curve b. This may be done by connecting a mismatched final half-section to the filter (Figure 5). The curve b_{omp} is then as shown in Figure 4 with only one maximum in the middle of the pass-band. The value of this maximum is determined by the degree of mismatch between the loads of the half-section and its characteristic impedances. To ensure the best match between the basic part of the filter and the half-section, a non-symmetrical lengthener (paa?) is connected between the basic part of the filter and the half-section.
The frequency characteristics for a filter with a mismatched half-section are shown in Figure 6; Curve 1 is b, Curve 2 is b_{omp} and the effective attenuation of the filter b_p, the sum of Curves 1 and 2, is Curve 3. This assumes that the

basic part of the filter is ideally matched. In practice, this is not possible, but the change due to inexact matching of the basic part of the filter can be reduced to negligibly small values.
The design problem thus reduces to calculation of the attenuation due to reflection by the half-section to give a required frequency characteristic. An m-type half-section of the type shown in Figure 7 is considered as an example. In this case, the input and output characteristic impedances will be different and the attenuation due to reflection is calculated by Eq.(2) obtained from Ref 1. The equation is simplified by assuming that, in the pass-band for the half-section, $h = 0$; $g = ja$; $ch\ g = \cos a$; $sh\ g = j\sin a$.
The characteristic impedances are real and equal :

$$Z_{c_2} = Z_{nM} , \quad Z_{c_1} = Z_T .$$

If the relative characteristic impedances are expressed as:

Equalisation of the Frequency Characteristic of Band Filters in the Pass Band

$$z_{nM} = \frac{Z_{nM}}{R} \quad \text{and} \quad z_T = \frac{Z_T}{R} \tag{4}$$

and the load impedances by load coefficients:

$$\rho_1 = \frac{R_1}{R} \quad \text{and} \quad \rho_2 = \frac{R_2}{R} \tag{5}$$

then the expression for the effective attenuation of the filter half-section becomes:

$$e^{2b_p} = \left| 1 + \frac{1}{4}\left\{\left[\sqrt{\frac{z_{nM}}{z_T}}\sqrt{\frac{\rho_1}{\rho_2}} - \sqrt{\frac{z_T}{z_{nM}}}\sqrt{\frac{\rho_2}{\rho_1}}\right]^2 \cos^2 a + \right.\right.$$

$$\left.\left. + \frac{\sqrt{\rho_1\rho_2}}{\sqrt{z_T z_{nM}}} - \frac{\sqrt{z_T z_{nM}}}{\sqrt{\rho_1\rho_2}}\right]^2 \sin^2 a \right. \tag{6}$$

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which is the basic design equation.
The values of the unknowns ρ_1 and ρ_2 and the coefficient m , which determine the frequency characteristic due to reflection, must be found. This is best done by a method of successive approximation using families of curves which give the attenuation due to reflection versus various parameters. To obtain the curves the basic formula (6) is rearranged, new variables introduced and expressed in terms of the relative frequency a m .
Figure 8 shows the characteristics for one half of the pass-band in co-ordinates of the relative frequencies of the equivalent low-frequency filter. Figure 13 shows the characteristic of the effective attenuation of a filter, calculated by the given method and the characteristic of an actual filter. The circuit is shown in Figure 14. Figure 15 shows the characteristic of the effective

Equalisation of the Frequency Characteristic of Band Filters in the Pass Band

attenuation of the filter in the pass-band. There is good agreement between the calculated and measured values. There are 15 figures and 3 references, 2 of which are Soviet and 1 Swedish.

SUBMITTED: November 19, 1956

Card 6/6

1. Band-pass filters--Design 2. Frequency--Control systems
3. Mathematics--Applications

L 08998-67 EWT(d)/EWT(m)/EWP(v)/EWP(t)/ETI/EWP(k)/EWP(h)/EWP(l) JD

ACC NR: AP6012121 SOURCE CODE: UR/0413/66/000/007/0038/0038

AUTHORS: Izakson-Demidov, Yu. A.; Gutterman, K. D.; Smolyanskiy, M. Ya. 49

ORG: none

TITLE: A method for the automatic regulation of a vacuum electric arc furnace. Class 21, No. 180272 14

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 7, 1966, 38

TOPIC TAGS: vacuum arc furnace, automatic control system

ABSTRACT: This Author Certificate presents a method for the automatic regulation of a vacuum electric arc furnace by displacing the consumable electrode as a function of the melting conditions. The design increases the regulation precision and maintains a specific arc length. The regulation of the vacuum arc furnace as a function of the change of the furnace resistance concurrently uses the automatic balancing of the measurement bridge and the regulation of the arc gap for a function of the repetition frequency (or interval) of the arc voltage pulses. To maintain a specific arc length at a changing of the arc current, an automatic balancing of the measurement circuit is produced while compensating

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the nonlinear part of the volt-ampere characteristic of the arc by a nonlinear element (or by a device with an analogous characteristic). To provide full automation of the entire melting cycle, a read-out of the length of the remaining part of the electrode is produced. This read-out is produced with the automatic shifting of the furnace to a cycle for finding out the shrinkage cavity after melting of a given length of the electrode.

SUB CODE: 13/ SUBM DATE: 29Nov62

Card 2/2 nst

GONCHAROV, V.M., inzh.; LOBAHOV, V.V., inzh.; IZAKSON, G.M., otv. za vypusk

[Economic use of lubricants for locomotive axles] Ekonomiia osevykh masel na parovozakh. Moskva, TSentr.dom tekhn. zhel-dor.transp., 1959. 32 p. (Radiolektsiia, no.2 (74)). (MIRA 14:2)

(Locomotives--Lubrication)

BALANDIN, B.A.; DUSHKEVICH, M.K.; LIPSHITS, S.G.; MAYSURADZE, V.F.; KABAL'CHICH, O.A., retsenzent; SERGEYEV, V.I., retsenzent; IZAKSON, G.M., red.; USENKO, L.A., tekhn. red.

[Moscow - the Caucasus; railroad gude]Moskva - Kavkaz; zheleznodorozhnyi putevoditel'. Moskva, Transzheldorizdat, 1962. 185 p. (MIRA 15:12)

(Railroads--Guides)

IZAKSON, I.; KHARIF, B.

Stand for checking automobile brake systems. Avt. transp. 36 no. 6:45-46 Je '58. (MIRA 11:7)
(Automobiles--Brakes)

IZAKSON, L., inzh.; KHARIF, B., inzh.; UMANSKIY, V., inzh.

The TO-2 continuous production line with lateral displacement of cars. Avt. transp. 37 no.8:19-22 Ag '59. (MIRA 12:12)
(Automobiles--Maintenance and repair)

IZAKSON, I.

Glue instead of rivets. Za bezop.dvizh. 3 no.7:2-3 Jl '60.
(MIRA 13:8)

(Automobiles--Brakes) (Gluing)

IZAKSON, Kh.A.

Appropriate rest and exercise regimen in a neural clinic and the role of physical therapy. Zhur.nevr. i psikh. Supplement:53-54 '57. (MIRA 11:1)

(NERVOUS SYSTEM--DISEASES) (PHYSICAL THERAPY)

IZAKSON, Kh.A. (Chernyakhovsk)

Novocaine electrophoresis in some gastric diseases. Vop. kur., fizioter. i lech. fiz. kul't. 22 no.1:63-64 Ja-F '57 (MLRA 10:4)
(STOMACH--DISEASES) (NOVOCAINE) (ELECTROPHORESIS)

IZAKSON, Kh.A., podpolkovnik med. sluzhby

Pneumotonometry as a method of checking the strengthening of respiratory muscles. Voen.med.zhur. no.3:71-72 Mr '57. (MIRA 11:3)
(RESPIRATORY TRACT, physiology,
pneumotonometry in control of strengthening resp. musc.
(Rus)

IZAKSON, Kh.A.

Abdominal areflexia of functional nature in gastritis and peptic ulcer [with summary in French]. Zhur.nevr. i psikh. 57 no.9: 1146-1148 '57. (MIRA 10:11)

(ABDOMEN,
areflexia in gastritis & peptic ulcer (Rus))
(GASTRITIS, physiology,
abdom. areflexia (Rus))
(PEPTIC ULCER, physiology,
same)

IZAKSON, Kh.A.

Symptom of the upper eyelid in the diagnosis of nocturnal urinary incontinence. Urologiia 23 no.4:64-66 Jl-Ag '58 (MIRA 11:8)
(URINATION DISORDERS, diag.
incontinence, upper eyelid manifest. (Rus))
(EYELIDS, physiol.
upper eyelid reflex in urinary incontinence (Rus))

IZAKSON, Kh.A., podpolkovnik meditsinskoy sluzhby

Examination of patients with nocturnal enuresis. Voen.med.zhur. no.12:75-77 '59. (MIRA 14:1)

(URINE--INCONTINENCE)

IZAKSON, Kh.A. (Chernyakhovsk)

Correct organization of motion permitted to infirmary patients. Vop. kur. fizioter. i lech. fiz. kul't. 25 no. 5:459-460 S-O '60. (MIRA 13:10)

(EXERCISE THERAPY)

IZAKSON, Kh.A. (g.Chernyakhovsk)

Significance of pneumotonometry as a biometric method. Vop. kur., fizioter. i lech. fiz. kul't. 25 no. 6:556-557 N-D '60. (MIRA 14:2)

(PHYSIOLOGICAL APPARATUS) (RESPIRATION)

IZAKSON, Kh.A.

Symptom of intracranial hypertension. Zhur.nevr.i psikh. 60 no.5: 556-557 '60. (MIRA 13:9)

(CEREBROSPINAL FLUID)

IZAKSON, Kh.A., podpolkovnik med.sluzhby; DRUI, Ye.Ya., podpolkovnik med.sluzhby

Psychoneurological study of flight crews. Voen.-med. zhur. no. 2:84 F '61. (MIRA 14:2)
(FLIGHT CREWS—PSYCHOLOGICAL ASPECTS)

IZAKSON, Kh.A. (Chernyakhovsk)

Fundamentals of the classification of type regimens for the movement activity of patients in hospitals. Vop. kur., fizioter. i lech. fiz. kul't. 29 no.4:353-355 Jl-Ag '64. (MIRA 18:9)

IZAKSON, Kh.A. (Chernyakhovsk)

Pneumotonometry in exercise therapy. Vop.kur., fizioter. i lech. fiz. kul't 30 no.5:447-451 S-O '65.

(MIRA 18:12)

IZAKSON, Kh.I.

SSh-65 self-propelled chasis. Trakt. i sel'khozmash. no.10:
8-12 O '58. (MIRA 11:10)

1. Taganrogskiy kombaynovyy zavod.
(Tractors)

IZAKSON, Kh.I.

For you, rural machine operators. Zdorov'e 7 no. 5:4-5 My '61.
(MIRA 14:4)

1. Glavnyy konstruktor Gosudarstvennogo spetsial'nogo konstruktorskogo byuro po kombaynam.
(AGRICULTURE—SAFETY MEASURES)

IZAKSON, Khanaan Il'ich, inzh.; PESTRYAKOV, A.I., red.; FEDOTOVA, A.F., tekhn. red.

[Self-propelled SK-3 and SK-4 combines]Samokhodnye kombainy SK-3 i SK-4. Izd.2., perer. i dop. Moskva, Sel'khozizdat, 1962. 342 p. (MIRA 15:9)

1. Glavnyy konstruktor Gosudarstvennogo spetsial'nogo konstruktorskogo byuro po samokhodnym kombaynam pri Taganrogskom kombaynovom zavode (for Izakson).
(Combines (Agricultural machinery))

IZAKSON, Kh.I.

A universal self-propelled chassis with a set of mounted machinery. Trakt. i sel'khozmash. 32 no.10:16-18 O '62. (MIRA 15:9)

1. Glavnyy konstruktor Gosudarstvennogo spetsial'nogo konstruktorskogo byuro samokhodnykh kombaynov i samokhodnykh shassi.

(Agricultural machinery)

IZAKSON, Khanaan Il'ich, inzh.; PESTRYAKOV, A.I., red.; PROKOF'YEVA, L.N., tekhn. red.; TRUKHINA, O.N., tekhn.red.

[The SK-3 and SK-4 automotive combines] Samokhodnye kombainy SK-3 i SK-4. Izd.3., perer. Moskva, Sel'khozizdat, 1963. 382 p. (MIRA 17:1)

1. Glavnyy konstruktor Gosudarstvennogo spetsial'nogo konstruktorskogo byuro po samokhodnym kombaynam pri Taganrogskom kombaynovom zavode(for Izakson).

IZAKSON, Kh.I.

Development of grain harvesting machinery. Mekh. i elek. sots. sel'khoz. 21 no.3:10-11 '63. (MIRA 16:8)

1. Glavnyy konstruktor Gosudarstvennogo spetsial'nogo konstruktorskogo byuro po zernouborochnym kombaynam i samokhodnym shassi.
(Harvesting machinery)

IZAKSON, Kh.I.

Triphase system of crop harvesting. Trakt. i sel'khozmash. 33 no.5:21-24 My '63. (MIRA 16:10)

1. Glavnyy konstruktor Gosudarstvennogo spetsial'nogo konstruktorskogo byuro zernouborochnykh kombaynov i samokhodnykh shassi.

BUDZKO, I.A., akademik; BOLTINSKIY, V.A., akademik; SELIVANOV, A.I., doktor tekhn. nauk; IZAKSON, Kh.I., inzh., laureat Leninskoy premii; DMITRIYEV, I.N., red.

[Contribution of science to agriculture; mechanization and electrification] Nauka sel'skomu khoziaistvu; mekhanizatsiia i elektrifikatsiia. Moskva, Kolos, 1964. 287 p
(MIRA 18:3)

1. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk imeni V.I.Lenina (for Budzko, Boltinskiy). 2. Chlen-korrespondent Vsesoyuznoy akademii sel'skokhozyaystvennykh nauk imeni V.I. Lenina (for Selivanov). 3. Glavnyy konstruktor Taganrogskogo kombaynovogo zavoda (for Izakson).

2593. **Procaine electrophoresis in some disorders of the stomach (Russian text)**
IZAKSON KH. I. *Vopr. Kurort.* 1957, 1 (63–64)

A method of intragastric procaine electrophoresis for the treatment of gastritis and gastric ulcers is introduced. The patient is given, per os, 50 to 100 ml. of a 0.5% solution of procaine or other drug acting on the interoceptors of the stomach. One electrode is placed on the abdomen in the epigastric region, the other on the loin. The padding of the abdominal electrode is moistened with a 5% solution of procaine. A current of 15 ma. is applied for 20 min. A course of treatment consists of 15 applications. Sixty patients with chronic gastritis and 35 with a gastric ulcer were treated. The best results were achieved in patients with chronic gastritis associated with hypochlorhydria (26 successes in a total of 30 patients). The treatment was less effective in patients with a gastric ulcer or chronic gastritis with hyperacidity (50% successes). The method is simple and safe, and may be carried out in out-patient department. (S)

IZRAILSON, Kh.I.

Developing the design of the SSh-65 universal self-propelled chassis. Trakt. i sel'khozmash. 30 no.9:5-8 S '60. (MIRA 13:9)

1. Glavnyy konstruktor Gosudarstvennogo spetsial'nogo konstruktorskogo byuro po samokhodnym kombaynam.
(Tractors)

IZAKSON, S.I.

A water tower for industrial use. Vod. i san. tekh. no.10:13-19 O '57. (MIRA 10:11)
(Water towers)

IZATULLAYEV, A. I.

IZATULLAYEV, A. I.: "The Significance of Certain Factors in the External Environment on the Appearance and Development of Lung Diseases Among Lambs." Min Higher Education USSR. Alma-Ata Zooveterinary Inst. Alma-Ata, 1956. (Dissertation for the Degree of Candidate in Veterinary Science)

So: Knizhnaya Letopis', No. 19, 1956.

IZAKOV, B.

Russians in America

Soviet people across the ocean ("On the shores of America")
V. Kucheryavenko. Reviewed by B. Izakov. Vokrug sveta
no. 3, 1952.

9. Monthly List of Russian Accessions, Library of Congress, May 1952, Uncl.

IZAKOV, B.

Bacterial Warfare

Weapons of doom Mol. kolkh. 19, no. 5, May 1952

Monthly List of Russian Accessions, Library of Congress, August, 1952. UNCLASSIFIED.

BASOV, A.M., kand.tekhn.nauk; IZAKOV, F.Ya., inzh.; SHMIGEL', V.N., inzh.; YASHOV, G.A., inzh.

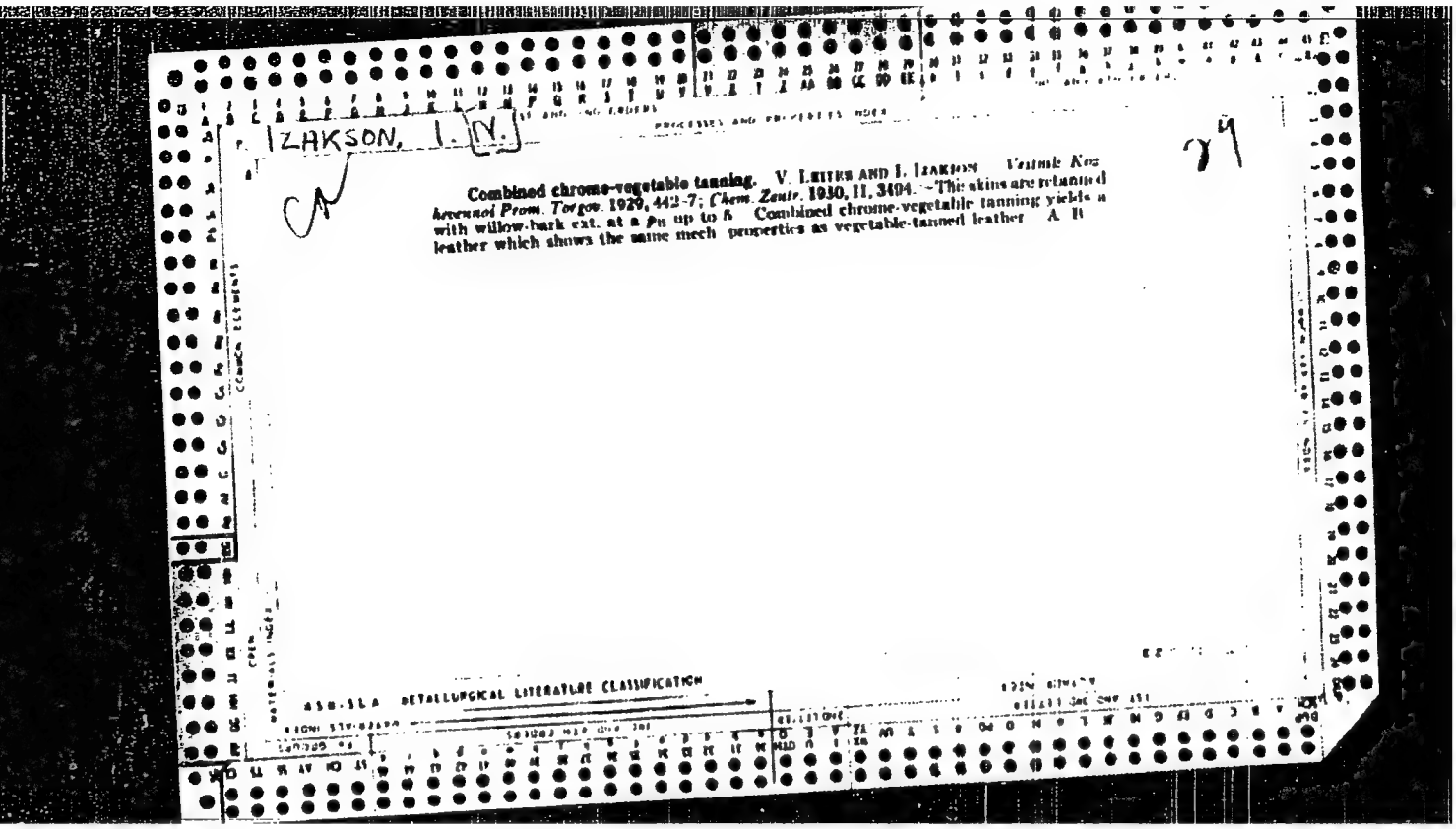
Grain cleaning in the electric field. Mekh.i elek.sots. sel'-khoz. 17 no.5:25 '59. (MIRA 12:12)

1. Chelyabinskiy institut mekhanizatsii i elektrifikatsii sel'skogo khozyaystva.
(Grain--Cleaning)

IZAKOVICH, T.M.

Pulmonary abscess as a result of prolonged presence of bronchial foreign body. Vest.oto-rin. 17 no.2:78-79 Mr-Ap '55. (MLRA 8:7)

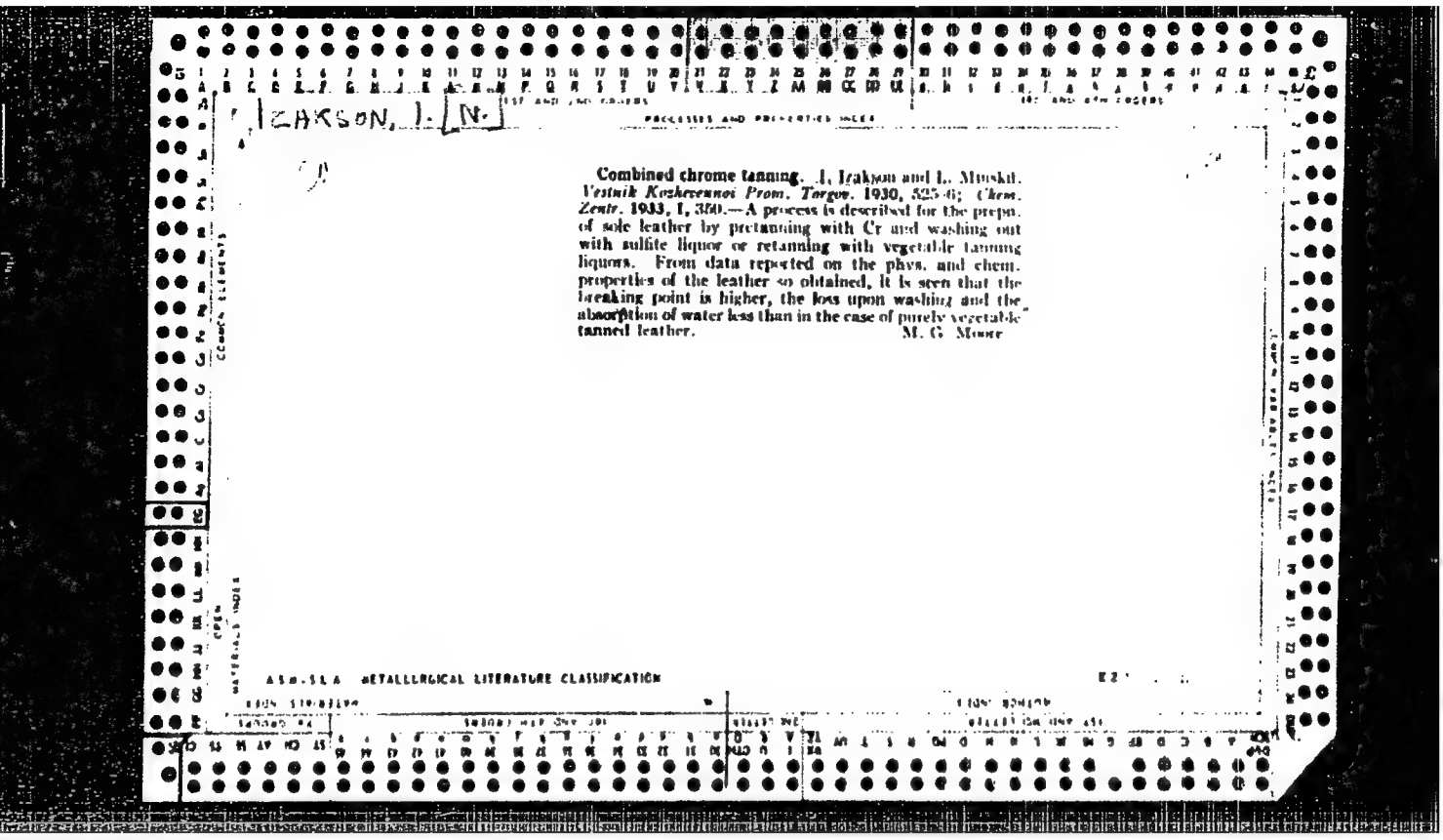
1. Iz kafedry bolezney ukha, gorla i nosa (zav. prof. I.V.Gol'd-farb) Izhevskogo meditsinskogo instituta.
(LUNGS, abscess,
caused by bronchial for. body)
(FOREIGN BODIES,
bronchi, causing pulm. abscess)
(ABSCESS,
lungs, caused by bronchial for. body)
(BRONCHI, foreign bodies,
causing pulm. abscess)



IZAKSON, I. V.

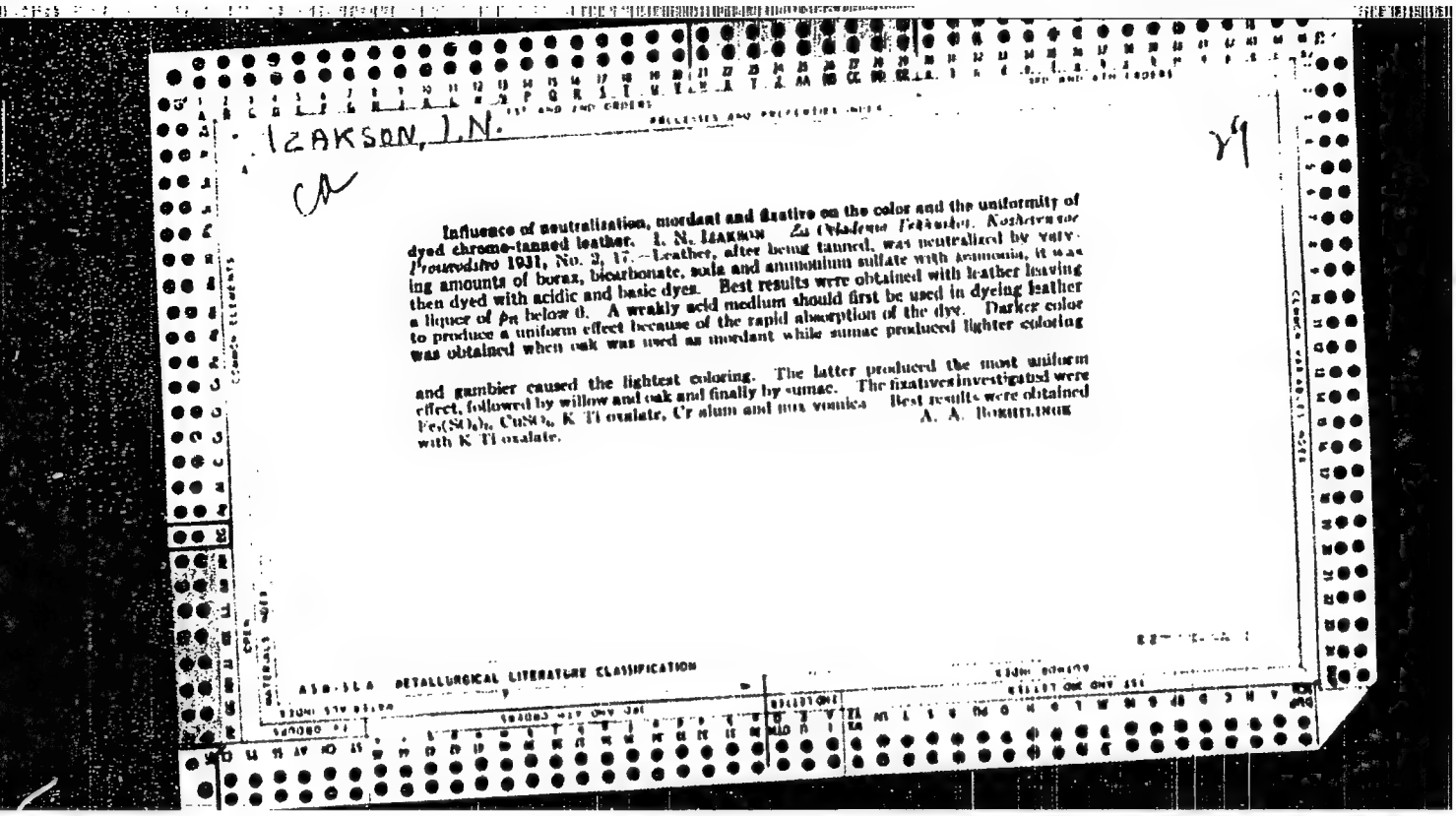
Combined chrome-vegetable tanning. V. Leiths and I. Izakson. *Vestnik Kož. Kozevnoi Prom. Torgov.* 1929, 442–7; *Chem. Zentr.* 1930, II, 3404.—The skins are retanned with willow-bark ext. at a *p*H up to 5. Combined chrome-vegetable tanning yields a leather which shows the same mech. properties as vegetable-tanned leather. A. P.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION



IZAKSON, I. N.

Combined chrome tanning. I. Izakson and L. Muskat. *Vestnik Kozhevennoi Prom. Torgov.* 1930, 525-6; *Chem. Zentr.* 1933, I, 350.—A process is described for the prepn. of sole leather by pretanning with Cr and washing out with sulfite liquor or retanning with vegetable tanning liquors. From data reported on the phys. and chem. properties of the leather so obtained, it is seen that the breaking point is higher, the loss upon washing and the absorption of water less than in the case of purely vegetable tanned leather. M. G. Moore

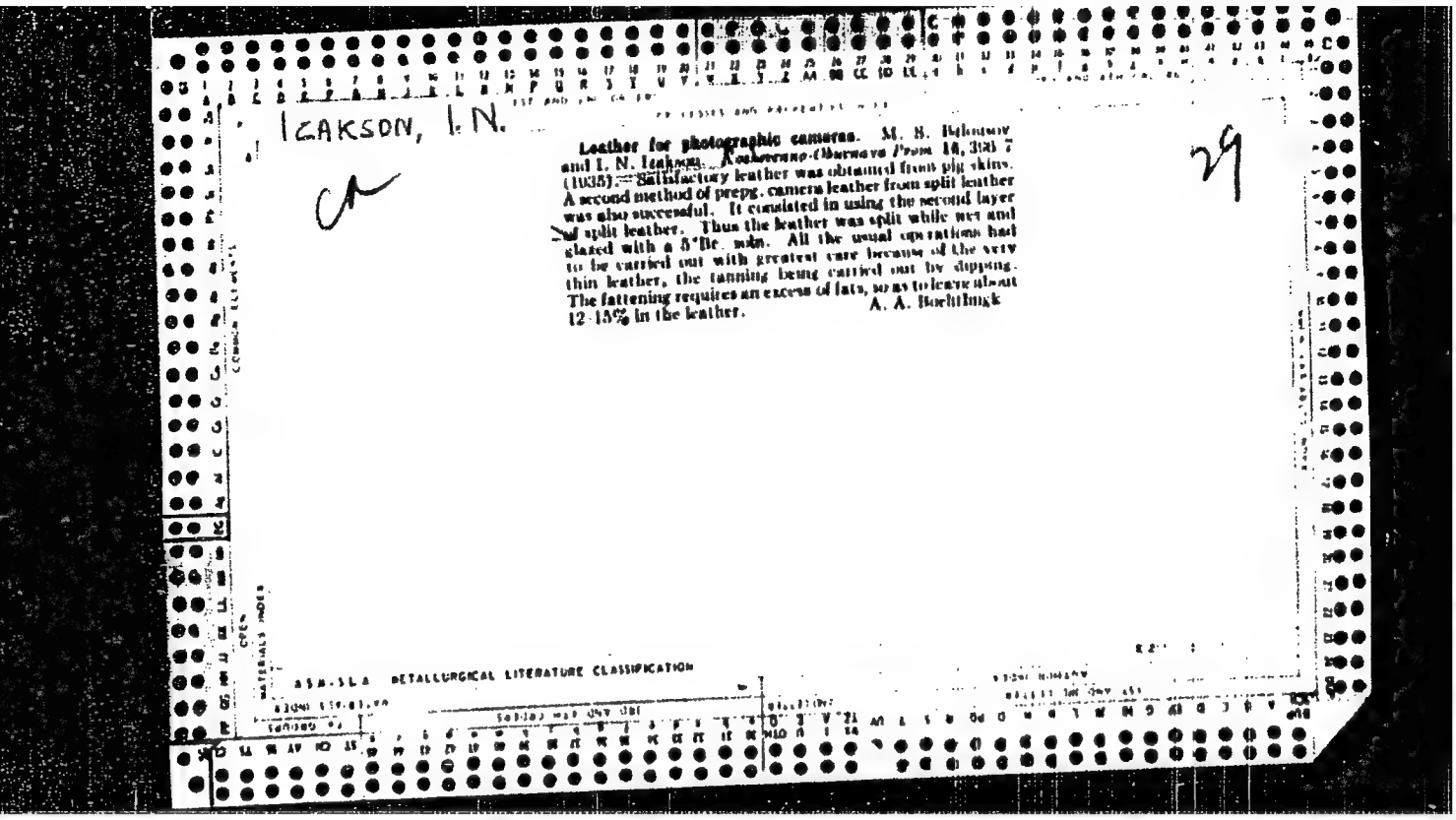


IZAKSON, I.N.

Influence of neutralization, mordant and fixative on the color and the uniformity of dyed chrome-tanned leather. I. N. IZAKSON. *Za Chistoe Tekstil'nyi Kozhevenno-Obuvnoi Promyshlennosti* 1931, No. 2, 17.—Leather, after being tanned, was neutralized by varying amounts of borax, bicarbonate, soda and ammonium sulfate with ammonia, it was then dyed with acidic and basic dyes. Best results were obtained with leather leaving a liquor of p_H below 6. A weakly acid medium should first be used in dyeing leather to produce a uniform effect because of the rapid absorption of the dye. Darker color was obtained when oak was used as mordant while sumac produced lighter coloring and gambier caused the lightest coloring. The latter produced the most uniform effect, followed by willow and oak and finally by sumac. The fixatives investigated were $Fe_2(SO_4)_3$, $CuSO_4$, K Ti oxalate, Cr alum and nux vomica. Best results were obtained with K Ti oxalate.

A. A. Boitsinok

ASD-SLA METALLURGICAL LITERATURE CLASSIFICATION

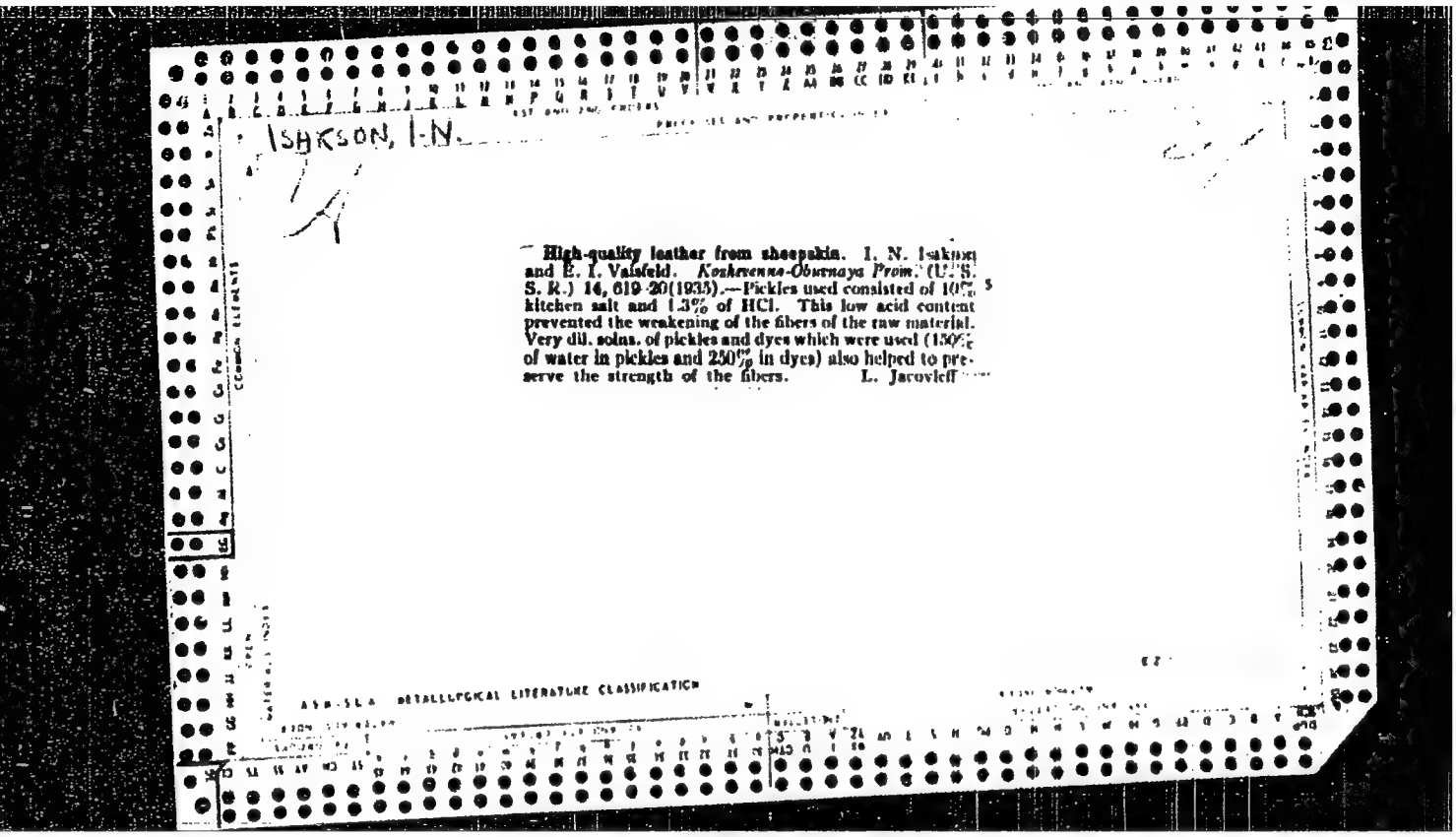


ISAKSON, I. N.

29

Leather for photographic cameras. M. S. Bykovov and I. N. Isakson. *Kozevenno-Obuvnoe Prom.* 14, 33(5-7) (1935).—Satisfactory leather was obtained from pig skins. A second method of prepg. camera leather from split leather was also successful. It consisted in using the second layer of split leather. Thus the leather was split while wet and glazed with a 5°Be. soln. All the usual operations had to be carried out with greatest care because of the very thin leather, the tanning being carried out by dipping. The fattening requires an excess of fats, so as to leave about 12–15% in the leather.
A. A. Boldiuk

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION



ISAKSON, I.N.

High-quality leather from sheepskin. I. N. Isakson and E. I. Valsfeld. *Koshevenno-Obuvnaya Prom.* (U. S. S. R.) 14, 619-20(1935).—Pickles used consisted of 10% kitchen salt and 1.3% of HCl. This low acid content prevented the weakening of the fibers of the raw material. Very dil. solns. of pickles and dyes which were used (150% of water in pickles and 250% in dyes) also helped to preserve the strength of the fibers. L. Jacovleff

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

C. A. IZAKSON, I. N.

Broader utilization of used chrome liquors. S. N. Pankov, I. N. Izakson, and A. Yu. Livshits. *Legkaya Prom.* 10, No. 7, 12–13(1950).—Chrome liquors contg. 8–12% chrome salts were formerly discarded but in 1938 such solns. were first recovered for use in the tanning of hides. Broader use of this practice is advocated. M. S.

IZAKSON, I.N.

FRIDLYAND, A.A., kandidat tekhnicheskikh nauk; IZAKSON, I.N.

Methods of plating chrome leather. Leg.prom.14 no.3:39-43 Mr '54. (MLRA 7:5)

1. Glavnyy inzhener Moskovskogo khromovogo kozhevennogo z-da (for Izakson). (Leather)

FRIDLYAND, A.A., kandidat tekhnicheskikh nauk; IZAKSON, I.N.

Squeezing-out moisture from chrome leather on roller wringing machines. Leg.prom. 14 no.10:28-30 O '54. (MLRA 7:11)

1. Glavnyy inzhener Moskovskogo khromovogo zavoda (for Izakson)
(Leather--Machinery)

IZAKSON, I.N., inzh.

Use of low-quality raw materials in the manufacture of chrome leather. Kozh.-obuv. prom. 7 no.6:38-39 Je '65.
(MIRA 18:8)

IZAKSON, Kh.A. (Chernyakhovsk)

[Therapeutic exercise and the role of sub-professional medical personnel]
Med.sestra no.2:24-27 F '54. (MLRA 7:1)
(Therapeutics, Physiological) (Nurses and nursing)

IZAKSON, Kh. A. ZALKIND, A. A.

"The Work Experience with the Organization of Medical Control of the Health Condition," Voyenno-Medits. Zhur., No. 5, pp. 84-87, 1955

Translation D 416278

IZAKSON, Kh. A., podpolkovnik med. sluzhby

Gastric ionophoresis in gastritis. Voen.-med. zhur no.5:89 My '57
(STOMACH--DISEASES) (MIRA 12:7)
(ELECTROPHORESIS)

IZAKSON, Kh.A.

Using a pneumotonometer in cardiovascular diseases for testing the strengthening of the respiratory musculature by exercise therapy. Vop. kur., fizioter. i lech.fiz. kul't. 27 no.1:31-32 '62.
(MIRA 15:5)

(EXERCISE THERAPY) (CARDIOVASCULAR SYSTEM—DISEASES)
(RESPIRATION)

IZAKSON, Kh.I., inzhener.

[Repair of the S-4 self-propelled combine] Remont samokhodnogo kombaina S-4. Izd. 2., perer.i dop. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1953. 275 p. (MLRA 6:8)

(Combines (Agricultural machinery))

IZAKSON, KH I

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Die Reparatur des selbstfahrenden Mahdreschers S-4. Berlin, Deutscher Bauernverlag, 1954.
243 p. illus., diagrs., tables.
Translation from the Russian: Remont samokhodnogo kombayna S-4, Moscow, 1951 and 1953.

IZAKSON, Khanaan Il'ich; DUBROVSKIY, V.A., redaktor; PEVZNER, V.I., tekhnicheskiy redaktor; BALLOD, A.I., tekhnicheskiy redaktor

[Repair of a self-propelled combine] Remont samokhodnogo kombaina. Izd.3-e, perer. i dop. Moskva, Gos.izd-vo selkhoz.lit-ry, 1955. 287 p.
(Combines (Agricultural machinery)) (MLRA 9:1)

IZAKSON, Khanaan Il'ich, inzh., glavnyy konstruktor; DUBROVSKIY, V.A., red.; SMELYANSKIY, V.A., red.; BALLOD, A.I., tekhn.red.; FEDOTOVA, A.F., tekhn.red.

[Self-propelled SK-3 combine] Samokhodnyi kombain SK-3. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1959. 215 p. (MIRA 12:9)

1. Gosudarstvennoye spetsial'noye konstruktorskoye byuro po samokhodnym kombaynam (GSKB) pri Taganrogskom zavode (for Izakson).
(Combines (Agricultural machinery))

IZAKSON, Khanaan Il'ich; PESTRYAKOV, A.I., red.; FEDOTOVA, A.F., tekhn. red.

[Self-propelled SK-3 and SK-4 combines]Samokhodnye kombainy SK-3 i SK-4. Izd.2., perer. i dop. Moskva, Sel'khozizdat, 1962. 342 p. (MIRA 15:8)
(Combines (Agricultural machinery))

IZAKSON, Kh.I.; SHUMAKOV, V.G.; SHAPIRO, A.V., inzhener-ispytatel'

Main trend of the chief designer. Nauka i zhizn' 29 no.11: 20-26 N '62. (MIRA 16:1)

1. Glavnyy konstruktor Gosudarstvennogo spetsial'nogo konstruktorskogo byuro po samokhodnym kombaynam i samokhodnym shassi (for Izakson).
2. Nachal'nik laboratorii Gosudarstvennogo spetsial'nogo konstruktorskogo byuro po samokhodnym kombaynam i samokhodnym shassi (for Shumakov).

(Agricultural machinery—Design)